

Poster contributions 1 (19. November 2019)

1	Prof. Thomas Chassé	Characterization of thermal oxide films on technical copper	Universität Tübingen, Germany
2	Dr. Beata Butvinová	Raman spectra of heterostructures 6P/6T (para-hexaphenyl (p-6P)/a-sexithiophene (6T)) on mica	Institute of Physics, Slovak Academy of Sciences Bratislava, Slovak Republic
3	Prof. Nour-eddine Gabouze	Fabrication and Characterization of ZnO-Cu ₂ O	Unite De Development Technologie Silicium, Algeria
4	Assoc.Prof. Stanislav Jurecka	Solving of Compact Model of Organic Transistors with Multi-Finger Contacts	Institute of Aurel Stodola, University of Žilina, Slovak Republic
5	Dr. Samira Sali	Synthesis and Characterization of TCOS (ZnO:Al and Nb: TiO ₂) thin film Deposited by Ultrasonic Spray Pulverization for Solar Cell Applications	1CRTSE - Division DDCS, Algeria
6	Mr. Mourad AZIBI	Effect of nitrogen gas ratio on the microstructural and electrochemical properties of Zr-N coatings deposited through HIPIMS technique	Division Milieux Ionisés et Lasers, Centre de Développement des Technologies Avancées, (CDTA) , Algeria
7	Dr. Bohdan Bieg	Thickness dependence of the work function in case of ultra-thin metallic layers	Maritime University of Szczecin, Poland
8	Dr. Maksym Buryi	Influence of precursors and growth conditions on defect states in ZnO nanorods	Institute of physics CAS in Prague, Czech Republic
9	Ing. Adam Gajdos	Morphology and conductivity of imidazolium ionic-liquid-based solid polymer electrolyte of various crystallinity	Brno University of Technology, Czech Republic
10	Ing. Adam Gajdos	Electrical characterization of the imidazolium based ionic liquids on interdigital electrodes	Brno University of Technology, Czech Republic
11	Dr. Gabriel Cibira	Solar silicon resistivity behaviour	Institute of Aurel Stodola, University of Žilina, Slovak Republic
12	Dr. Matej Goraus	Highly-resolved scanning of magnetic surfaces by FPR integrated on optical fiber	University of Žilina, Slovak Republic
13	Assoc.Prof. Andrzej Grabowski	Structuring of the Ti6Al4V alloy surface by pulsed laser remelting	Silesian University of Technology, Poland
14	Dr. Maros Gregor	Flexible gas sensor based on TiO ₂ thin layer with vertical electrodes configuration	Comenius University in Bratislava, FMPI, Slovak Republic

15	Dr. Michaela Holá	The optical properties of thin films using in the optical switching networks	Institute of Aurel Stodola, University of Žilina, Slovak Republic
16	Dr. Ivan Hotový	Structural, optical and electrical properties of WS ₂ prepared using sulfurization of tungsten films.	Slovak University of Technology in Bratislava, Slovak Republic
17	Dr. Ivan Hotový	Voltammetric characterization of boron-doped diamond electrodes for electroanalytical applications	Slovak University of Technology in Bratislava, Slovak Republic
18	Dr. Chaieb Zoubir	Effect of thermal annealing on the type of formation and the resistivity of the copper oxide film	Research center in semi-conductors technology for energy , Algeria
19	Dr. Filip Chymo	Silicon MIS photoanode for water splitting: Tuning the photovoltage properties	Institute of Electronics and Photonics, Slovak University of Technology, Slovak Republic
20	Dr. Daniel Jandura	Polymer surface grating as highly reflective mirror	University of Žilina, Slovak Republic
21	Dr. Jose Piñero	XPS depth profile analysis of WC/ and Ti/ diamond contacts interfaces	Universidad de Cádiz, Spain
22	Dr. Daniel Káčik	Effect of thickness on transmittance and absorption coefficient of the thin film of magnetic fluid	University of Žilina, Slovak Republic
23	Dr. Ivan Kostic	Mixed metal oxides based on sputtered NiO and TiO ₂ thin films	Institute of Informatics, Slovak Academy of Sciences, Slovak Republic
24	Ing. Martin Králik	Optical properties of electrochemically etched n-type silicon samples in dark mode	Institute of Aurel Stodola, University of Žilina, Slovak Republic
25	Dr. Marcin Matuszak	The double dipole layer and work function of metals	Maritime University of Szczecin, Poland
26	Assoc. Prof. Miroslav Mikolasek	Influence of TiO ₂ thickness on the performance of IMIS silicon based water splitting photoanode	Institute of Electronics and Photonics, Slovak University of Technology, Slovak Republic
27	Assoc. Prof. Miroslav Mikolasek	Plasmonic enhanced photoelectrochemical water splitting	Institute of Electronics and Photonics, Slovak University of Technology, Slovak Republic
28	Dr. Lucie Prušáková	Controlling fundamental electronic interactions in SrTiO ₃ thin films by Ni doping	New Technologies Research Centre, University of West Bohemia, Czech Republic
29	Ing. Edita Mikulášová	Low temperature bonding of non-stabilized high temperature superconducting tapes	Institute of Electrical Engineering, SAS, Slovak Republic
30	Dr. Peter Ondrejka	Cu ₂ O based photocathodes for tandem photoelectrochemical water splitting systems	Institute of Electronics and Photonics, Slovak University of Technology, Slovak Republic

Poster contributions II (20. November 2019)

1	Dr. Jozef Osvald	Barrier height inhomogeneity in 4H-SiC surface barrier detectors	Institute of Electrical Engineering, SAS, Slovak Republic
2	Dr. Ouldarab Halima	Structural, morphological and spectroscopic properties of tin oxide thin films: Effect of heat treatment	Djilali BOUNAAMA UNIVERSITY OF Khemis Miliana, Algeria
3	Dr. Emil Pincik	Porous nanocrystalline layers prepared catalytically and electrochemically on c-Si substrates	Institute of Physics, SAS, Slovak Republic
4	Dr. Emil Pincik	Photoluminescence of porous layers prepared electrochemically on the multi-crystalline Si	Institute of Physics, SAS, Slovak Republic
5	Ing. Ondrej Pohorelec	Investigation of Interfaces and Threshold Voltage Instabilities in MOS-Gated InGaN/AlGaIn/GaN HEMTs	Institute of Electrical Engineering, SAS, Slovak Republic
6	Assoc. Prof. Miroslav Mikolasek	Vertical current transport in thin MOS structures expressed via transport velocities	Institute of Electronics and Photonics, Slovak University of Technology, Slovak Republic
7	Prof. Dušan Pudiš	Near-field analysis of GaP nanocone surfaces for SERS	University of Žilina, Slovak Republic
8	Prof. Dušan Pudiš	Complex analysis of Fresnel structures applied in the LED surface	University of Žilina, Slovak Republic
9	Dr. Andrea Šagátová	Current-voltage characterization of GaAs detectors and their holders irradiated by high energy electrons	Slovak University of Technology in Bratislava, Slovak Republic
10	Dr. Ján Šoltýs	Study of magnetic states in submicron Co/Pt/Au multilayer dots	Institute of Electrical Engineering, SAS, Slovak Republic
11	Dr. Marianna Španková	Influence of MoO ₃ thin films quality on the properties of MoS ₂ 2D systems	Institute of Electrical Engineering, SAS, Slovak Republic
12	Dr. Roman Stoklas	Electrical Characterization of PtSe ₂ Films Grown by One Zone Selenization	Institute of Electrical Engineering, SAS, Slovak Republic
13	Ing. Václav Šulc, Ing. Štěpán Šustek	Determination of basic roughness parameters characterizing randomly rough surfaces using specularly reflected and scattered light	Brno University of Technology, Czech Republic
14	Ing. Petra Urbancová	Polymer/metal structures for surface plasmon resonance	University of Žilina, Slovak Republic
15	Dr. Norbert Tarjányi	Determination of 6CHBT group birefringence dispersion in VIS from a single shot measurement	University of Žilina, Slovak Republic
16	Dr. Jaroslava Škriniarova	The non-typical deposition temperature of CZTS thin films in spray-pyrolysis technique: impact on the surface morphology, phase composition, optical and electrical properties	Faculty of Electrical Engineering and Information Technology STU in Bratislava, Slovak Republic

17	Mgr. Marek Vidiš	Memristor with gas-triggered resistive switching as a gas sensor with memory	Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Slovak Republic
18	Dr. Bohumír Zatl'ko	The study of Schottky barrier detectors based on high quality 4H-SiC epitaxial layer with different thickness	Institute of Electrical Engineering, SAS, Slovak Republic
19	M. S. Zhe Wang	Investigating the water adsorption mechanism on ether treated Graphene oxide	Nanjing University of Aeronautics and Astronauts, China
20	Ing. Adam Gajdoš	Detection of non-uniformities by electroluminescence in triple-cation perovskite solar cell structures	Brno University of Technology, Czech Republic
21	Ing. Jakub Drobny	DLTS Study of Electrically Active Defects in Power SiC MOSFET	Slovak University of Technology in Bratislava, Slovak Republic
22	Ing. Jakub Drobny	The Influence of AlGaN Back Barrier on the Defect Distribution in the AlGaN/GaN HEMT Structures	Slovak University of Technology in Bratislava, Slovak Republic
23	Ing. Peter Eliáš	Nanostructured GaP surfaces on GaP substrate by MOCVD	Institute of Electrical Engineering, SAS, Slovak Republic
24	Dr. Arpad Kosa	The influence of the etching time formed nanostructured Porous Silicon on the Defect Distribution	Slovak University of Technology in Bratislava, Slovak Republic
25	Dr. Arpad Kosa	Investigation of electrically active defects in Fe-doped InP epitaxial layers	Slovak University of Technology in Bratislava, Slovak Republic
26	Dr. Jan Látal	Long-term monitoring of PANI and PANI/MMT thin films resistivity in dependence of age and temperature	VSB - Technical University of Ostrava, Czech Republic
27	Dr. Bouamra Faiza	Effect of oxygen vacancies on RAMAN and IR spectroscopy of tin oxides SnO ₂ : an ab-initio calculations	Université SAAD DAHLAB de BLIDA, Algeria
28	Ms. Hind Zegtouf	A study of zirconia thin films bioactivity in artificial blood plasma	University des Sciences et de la Technologie HOUARI BOUMEDIENE, Algeria
29	Mr. Jung-Hoon Yu	Fabrication of high stable perovskite solar cells via low-temperature and solution-processed CuI thin films as hole transport materials	Department of Chemistry, Sungkyunkwan University, Korea
30	Mr. Jung-Hoon Yu	Improved electrochemical durability of NiO nanoflake arrays composited with TiO ₂ protective layer	Department of Chemistry, Sungkyunkwan University, Korea
31	Dr. Robert Brunner	Interference effect in photoluminescence spectra of thin films	Institute of Physics, SAS, Slovak Republic